

Chapter Review Games and Activities

For use after Chapter 2

Mystery Quote

Simplify the expressions. Then match the letter to the corresponding simplified expression. Some letters are used more than once. The letters spell a quote from Albert Einstein (1879–1955).

A: $17x - 5 - 12x$

B: $6(1 - x) - 5(3 - 2x)$

C: $5(9x + 1 - 6x - 9)$

D: $4x + 7 - (6x + 3)$

E: $3(2x + 1) + 9$

F: $3(2x + 5) - 3(4x - 10)$

G: $7(2x + 4x)$

H: $5x + 2x - 4x$

I: $10x - 9 + 2x + 4$

K: $-8x + 14 + 12x - 18$

L: $2(x - 1) + 3(x + 2)$

M: $3 - 4x + 5x + 2 + 3x$

N: $20x - 5(3x - 5)$

O: $9 - 3x - 6x - 9$

P: $-3(x - 5x)$

R: $21 + 7(3x + 4)$

S: $12x - 6x - 4x + 3x$

T: $8(x + 3) - (8x - 12)$

U: $-6(3x - 7 - x + 5)$

W: $-9(2x + 7x)$

Y: $11(5x - 4x)$

$$\frac{\quad}{12x - 5} \quad \frac{\quad}{4x + 5} \quad \frac{\quad}{5x - 5} \quad \frac{\quad}{42x} \quad \frac{\quad}{12x - 5} \quad \frac{\quad}{5x + 25} \quad \frac{\quad}{5x - 5} \quad \frac{\quad}{36} \quad \frac{\quad}{12x - 5} \quad \frac{\quad}{-9x} \quad \frac{\quad}{5x + 25}$$

$$\frac{\quad}{12x - 5} \quad \frac{\quad}{5x} \quad \frac{\quad}{4x + 5} \quad \frac{\quad}{-9x} \quad \frac{\quad}{21x + 49} \quad \frac{\quad}{6x + 12}$$

$$\frac{\quad}{12x - 5} \quad \frac{\quad}{4x + 5} \quad \frac{\quad}{12x} \quad \frac{\quad}{-9x} \quad \frac{\quad}{21x + 49} \quad \frac{\quad}{36} \quad \frac{\quad}{5x - 5} \quad \frac{\quad}{5x + 25} \quad \frac{\quad}{36}$$

$$\frac{\quad}{36} \quad \frac{\quad}{3x} \quad \frac{\quad}{5x - 5} \quad \frac{\quad}{5x + 25}$$

$$\frac{\quad}{4x - 4} \quad \frac{\quad}{5x + 25} \quad \frac{\quad}{-9x} \quad \frac{\quad}{-81x} \quad \frac{\quad}{5x + 4} \quad \frac{\quad}{6x + 12} \quad \frac{\quad}{-2x + 4} \quad \frac{\quad}{42x} \quad \frac{\quad}{6x + 12}$$